Encyclomedia DNS Naming Conventions for Kentucky Schools & Districts

A KETS Standards Document

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This document is to define the KETS DNS Naming Conventions to be used with the Encyclomedia LocalHost Server and the Encyclomedia Management Server.

The goal is that all Teachers and Students will be able to access videos from home, even if their local school server has a private address.

This is possible because when users access the United Streaming site to view a video, they are redirected to the server identified in their profile. This re-direct can come in the form of an IP address or DNS Name.

By using a DNS Name instead of an IP, we can route the user to the School/District Server when the user is inside the School District, and route the User to the publicly accessible Encyclomedia Server when at home.

For LocalHost Servers, the DNS name will take the form *em.district.kyschools.us*
For Management Servers, the DNS name will take the form *em.school.district.kyschools.us*

The School District would open up a Help Desk Ticket requesting an Encyclomedia DNS Entry. They would need to provide the following info in the Ticket:
1. Whether the Server is a LocalHost or a Management Server
2. The DNS Name
3. The Private IP Address of the Server.

The KETS Networking Team would then have the internal DNS point to the IP of the local server and the external DNS translate to the IP of the externally accessible United Streaming server.

Example: When a user in Christian County searches for a video on volcanoes, Encyclomedia directs the user to:

http://em.christian.kyschools.us/videos/volcanoes/12345.asf,

which would send them to 10.59.16.8 internally, and to the publicly accessible Encyclomedia Server externally.